

SEQUENCE LISTING

<110> Tomizawa, Kazuhito

Matsui, Hideki

<120> Inhibitor of constitutive active forming of carcineurin

<130> JP-13650

<160> 6

<210> 1

<211> 16

<212> PRT

<213> human

<400> 1

Phe Asp Gly Ala Thr Ala Ala Ala Arg Lys Glu Val Ile Arg Asn Lys

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15

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<211> 17

<212> PRT

<213> human

<400> 2

Arg Glu Glu Ser Glu Ser Val Leu Thr Leu Lys Gly Leu Thr Pro Thr

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10

15

Gly

<210> 3

<211> 521

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<213> human

<400> 3

Met Ser Glu Pro Lys Ala Ile Asp Pro Lys Leu Ser Thr Thr Asp Arg
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Val Val Lys Ala Val Pro Phe Pro Pro Ser His Arg Leu Thr Ala Lys
20 25 30

Glu Val Phe Asp Asn Asp Gly Lys Pro Arg Val Asp Ile Leu Lys Ala
35 40 45

His Leu Met Lys Glu Gly Arg Leu Glu Glu Ser Val Ala Leu Arg Ile
50 55 60

Ile Thr Glu Gly Ala Ser Ile Leu Arg Gln Glu Lys Asn Leu Leu Asp
65 70 75 80

Ile Asp Ala Pro Val Thr Val Cys Gly Asp Ile His Gly Gln Phe Phe
85 90 95

Asp Leu Met Lys Leu Phe Glu Val Gly Gly Ser Pro Ala Asn Thr Arg

100

105

110

Tyr Leu Phe Leu Gly Asp Tyr Val Asp Arg Gly Tyr Phe Ser Ile Glu

115

120

125

Cys Val Leu Tyr Leu Trp Ala Leu Lys Ile Leu Tyr Pro Lys Thr Leu

130

135

140

Phe Leu Leu Arg Gly Asn His Glu Cys Arg His Leu Thr Glu Tyr Phe

145

150

155

160

Thr Phe Lys Gln Glu Cys Lys Ile Lys Tyr Ser Glu Arg Val Tyr Asp

165

170

175

Ala Cys Met Asp Ala Phe Asp Cys Leu Pro Leu Ala Ala Leu Met Asn

180

185

190

Gln Gln Phe Leu Cys Val His Gly Gly Leu Ser Pro Glu Ile Asn Thr

195

200

205

Leu Asp Asp Ile Arg Lys Leu Asp Arg Phe Lys Glu Pro Pro Ala Tyr

210

215

220

Gly Pro Met Cys Asp Ile Leu Trp Ser Asp Pro Leu Glu Asp Phe Gly

225

230

235

240

Asn Glu Lys Thr Gln Glu His Phe Thr His Asn Thr Val Arg Gly Cys

245

250

255

Ser Tyr Phe Tyr Ser Tyr Pro Ala Val Cys Asp Phe Leu Gln His Asn
260 265 270

Asn Leu Leu Ser Ile Leu Arg Ala His Glu Ala Gln Asp Ala Gly Tyr
275 280 285

Arg Met Tyr Arg Lys Ser Gln Thr Thr Gly Phe Pro Ser Leu Ile Thr
290 295 300

Ile Phe Ser Ala Pro Asn Tyr Leu Asp Val Tyr Asn Asn Lys Ala Ala
305 310 315 320

Val Leu Lys Tyr Glu Asn Asn Val Met Asn Ile Arg Gln Phe Asn Cys
325 330 335

Ser Pro His Pro Tyr Trp Leu Pro Asn Phe Met Asp Val Phe Thr Trp
340 345 350

Ser Leu Pro Phe Val Gly Glu Lys Val Thr Glu Met Leu Val Asn Val
355 360 365

Leu Asn Ile Cys Ser Asp Asp Glu Leu Gly Ser Glu Glu Asp Gly Phe
370 375 380

Asp Gly Ala Thr Ala Ala Ala Arg Lys Glu Val Ile Arg Asn Lys Ile
385 390 395 400

Arg Ala Ile Gly Lys Met Ala Arg Val Phe Ser Val Leu Arg Glu Glu
405 410 415

Ser Glu Ser Val Leu Thr Leu Lys Gly Leu Thr Pro Thr Gly Met Leu
420 425 430

Pro Ser Gly Val Leu Ser Gly Gly Lys Gln Thr Leu Gln Ser Ala Thr
435 440 445

Val Glu Ala Ile Glu Ala Asp Glu Ala Ile Lys Gly Phe Ser Pro Gln
450 455 460

His Lys Ile Thr Ser Phe Glu Glu Ala Lys Gly Leu Asp Arg Ile Asn
465 470 475 480

Glu Arg Met Pro Pro Arg Arg Asp Ala Met Pro Ser Asp Ala Asn Leu
485 490 495

Asn Ser Ile Asn Lys Ala Leu Ala Ser Glu Thr Asn Gly Thr Asp Ser
500 505 510

Asn Gly Ser Asn Ser Ser Asn Ile Gln
515 520

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Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg

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<211> 26

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<400> 5

Arg Phe Asp Gly Ala Thr Ala

1 5 10 15

Ala Ala Arg Lys Glu Val Ile Arg Asn Lys

20 25

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Arg Arg Arg Arg Arg Arg Arg Arg Arg Glu Glu Ser Glu Ser

1 5 10 15

Val Leu Thr Leu Lys Gly Leu Thr Pro Thr Gly

20

25